

CIMAS RESEARCH ASSOCIATE II – POSITION DESCRIPTION

INTRODUCTION

This position is situated in the Cooperative Institute for Marine and Atmospheric Studies (CIMAS) at the University of Miami Rosenstiel School of Marine and Atmospheric Sciences (RSMAS). The position is concerned with coordinating observational programs and will involve close collaboration with scientists at RSMAS and the NOAA Atlantic Oceanographic and Meteorological Laboratory (AOML).

RESEARCH SITUATION

The incumbent will be responsible for developing and running software to read, quality control and distribute oceanographic data, develop and maintain web pages. The incumbent will be also involved in several activities related to the logistical and operation components of the ship of opportunity program dedicated to the collection of oceanographic observations. The incumbent will occasionally participate in oceanographic research cruises to assist in the collection of the data.

SUPERVISION RECEIVED

General instructions regarding scope and objectives will be given. However, the incumbent will be expected to function with minimum supervision. The incumbent must be able to work independently under the general supervision of the Director of CIMAS and with the technical guidance of senior scientists at AOML. The incumbent is expected to report periodically to the Director of CIMAS on the progress of work.

GUIDELINES AND ORIGINALITY

The incumbent will be responsible for developing and running software to read, quality control and distribute oceanographic data, develop and maintain web pages, aid in the operations of the Ship of Opportunity Program. The incumbent will occasionally participate in oceanographic research cruises to assist in the collection of the data.

QUALIFICATIONS

Required education is a BS or BA degree in mathematics, physics, computer programming, engineering, or other related field. A minimum of three years of professional experience in data management and computer programming is required. Basic knowledge of data base management systems in MySQL or PostgreSQL is a must. Necessary skills include excellent knowledge and extensive experience in programming using at least two of the following computer languages: Fortran, C, C++, Perl, Matlab, Java, Python, in the UNIX/LINUX environment. The incumbent is expected to have

taken at least thirteen credits of calculus and computer programming at the undergraduate or graduate level. The incumbent must have excellent written and oral communication skills in order to communicate with a diverse group of people in large collaborative projects.